S.H. Bell Company Chicago Terminal

CDPH Request for Additional Information Regarding Variance Request Summary of Transfer Points / Control Measures



Emission Source	Transfer Point (s)	Control Measure(s) Implemented from City of Chicago Regulations - "Bulk Materials Rule" Options Transfer Only Moist Material (3% by						
		Total Enclosure	Water Spray System	Vented to Air Pollution Control Equipment	Weight Minimum) AND Minimize Exposed Drop	Additional Control Measures	Alternative Control Measure Implemented if Rule Options not Chosen	Additional Comments
mall Particle Material Storage Piles (1/2 inch in size r less)		X (stored indoors to the maximum extent practical)					tarped if not controlled via water spray	
			LU TELEMENT BURGLER	BOATUS AND ALL HARD		Converge to the second of the		Inbound shipments of DRI fines no longer
active Storage Piles	Front end loader to truck, barge, or rail		X (dampen material as possible and/or position mobile misters)			Minimize drop heights	TRANSEWARE WATER	accepted for storage or re-loading; only accepted for storage or re-loading; only accepted transfer from barge to truck if moist content is minimum of 5%
aved Roadways			Х			Sweeping; application of salt and/or brine solution in wintertime, as necessary		
Inpaved Roadways		MODIFICATION	X			Application of salt and/or brine solution in wintertime, as necessary		
mpaved Noadways						District the second will have a real way		
Bag Filling Station	Front end loader to hopper/feeder	X						
	Hopper/feeder to weigh hopper	x		X				
	Weigh hopper to small storage bag or can	x		X	Term may be a made to start in	TO THE RESIDENCE OF THE PROPERTY OF THE PROPER		PI E DINGRES IŽENI V KŠ. — —
Box Filling Station	Front end loader to hopper / vibratory feeder	X						
	Hopper / feeder to box or bulk bag	x		X				
Screen Boxes	Front end loader to screen box	X				If performed outdoors (for wet materials), use of water truck or bucket loader for water addition to material		
	Screening (first pass through)	×				If performed outdoors (for wet materials), use of water truck or bucket loader for water addition to material		
	Screening (second pass through)	×				If performed outdoors (for wet materials), use of water truck or bucket loader for water addition to material		
		THE SOURCE SWITCH	In Alla Sas Remolts 2011	EVERT STORY	III (Orași a filor Which a Barri & Filor William)		and the world of the second of	
Crusher-Screener	Front end loader to hopper	X						
	Hopper to crusher	X	X			-		
	Crusher to screener	X	X					
	Screener to storage #1	X						-
	Screener to Crusher (#2)	x						
	Crusher (#2) to Screener (#2)	X	X					
	Screener (#2) to Storage (#2)	X						
	Screener (#2) to Storage (#3)	X						

S.H. Bell Company Chicago Terminal

CDPH Request for Additional Information Regarding Variance Request Summary of Transfer Points / Control Measures



Emission Source		Control Measure(s) Implemented from City of Chicago Regulations - "Bulk Materials Rule" Options Transfer Only Moist Material (3% by			Materials Rule" Options		Alternative Control Measure	A TREATMENT OF THE
	Transfer Point (s)	Total Enclosure	Water Spray System	Vented to Air Pollution Control Equipment	Weight Minimum) AND Minimize Exposed Drop	Additional Control Measures Implemented	Implemented if Rule Options not Chosen	Additional Comments
Screener	Front end loader to vibrator	X						
	Maria de bie	X						
	Vibrator to bin	X						
	Vibrator to conveyor	X						
	Conveyor to screener	X						
	Man By Santa-Fall							
	Screener to bin (top size material)	X						
	Screener to bin (mid size material)	X						
	Screener to birr (mid size midtoner)							
	Screener to bin (fine size material)	X					DESCRIPTION OF MINIOUS PANALOGIC	
PRODUCT TRANSFER								
FRODUCT TRANSPER						Partial enclosure (lean-to loadout shed) Minimize drop height; 3) lengthen truck		
						wait time before exiting loadout enclosure:	(1)	
				(to be implemented)		Tarp load after safely clearing the exit of loadout shed		
ndoor Truck Loading (Ryerson / Norcon Buildings)	Front end loader to truck			(to be implemented)			E DEFENDER DE STATING	
			X (dampen material as possible					5
Loading from Outdoor Storage Piles	Front end loader to truck		and/or position mobile misters		Notes and the state of the second	Minimize drop height		10 PB 12 PE 14 V X2 17 - 7 7 1 1 1 4 1 4 1 4 1
			X					
Truck Unloading	Truck to ground		(dampen material or use of mobile misters as needed			Choke feed		
Titles Officialing	Truck to grown			BULLY SEASON STATES				
			X			1		
	1		(dampen material with water truck or excavator as possible,				0.0	Water application entails either adding to barge with water truck or excavator and/or use of
			and/or use of mobile misters, or use of dry fogging system)			Minimize drop height		mobile misters, or use of dry fogging system
Barge Unloading - Bulk	Excavator to truck		or use or ary logging system)					
	1							
			X					
	1		(primary use of mobile misters				-	Water enray system primarily equates to use of
	1		secondary use of water truck or excavator to dampen			Minimize drop height to approximately 5		Water spray system primarily equates to use of mobile misters; secondarily use of water truck or
Barge Unloading - Sacks	Sack material release to pile at dock		material)			feet		excavator for water addition to material
*			X (secondary use of mobile			*		
			misters; tertiary use of water	X X				
	Pile to truck via front end loader		truck or excavator to dampen material)	(primary use of portable dust collector)		Minimize drop height		
	I no to track via more dia locata	and when the literaries	A DECEMBER OF STREET					
ē.			X					
			(dampen material with water truck or excavator as possible			1		Water application entails either adding to barge
	77 77 72 10		and/or use of mobile misters,	1		Minimize drop height (ability of excavator reach directly into bottom of barge)	to	with water truck or excavator and/or use of mobile misters, or use of dry fogging system
Barge Loading	Excavator to barge		or use of dry fogging system		o programma 6 din Sve Acceleration	Teach directly into bottom of barge)		

S.H. Bell Company Chicago Terminal

CDPH Request for Additional Information Regarding Variance Request Summary of Transfer Points / Control Measures



		Control Measure(s) Implemented from City of Chicago Regulations - "Bulk Materials Rule" Options					H The William State State	
Emission Source	Transfer Point (s)	Total Enclosure	Water Spray System	Vented to Air Pollution Control Equipment	Transfer Only Moist Material (3% by Weight Minimum) AND Minimize Exposed Drop	Additional Control Measures	Alternative Control Measure Implemented if Rule Options not Chosen	Additional Comments
		Yota Elistosa s		·			Choke feed	Utilize water spray primarily in the form of mobile misters or secondarily use of water truck or bucket loader for water addition to material, as necessary
Railcar Unloading - Bottom unload	Railcar to pile (bottom unload) Pit to storage via bucket loader		X (primary use of mobile misters; secondary use of water truck or excavator to dampen material)					Utilize water spray primarily in the form of mobile misters or secondarily use of water truck or bucket loader for water addition to material, as necessary, if final storage location is outside
Railcar Unloading - Box cars	Skid steer to front end loader		X (mobille misters or dry fogging system)			CONTRACTOR OF THE CONTRACTOR O		Utilize water spray system in the form of mobile misters or dry fogging cart
Induces Officialing - Box cars	Skid steer to bucket loader (alternative)		X (moblile misters or dry fogging system)	-				Utilize water spray system in the form of mobile misters or dry fogging cart
	Skid steer to ground (alternative)		(moblile misters or dry fogging system)					Utilize water spray system in the form of mobile misters or dry fogging cart
Railcar Loading - Open top railcars	Bucket loader to railcar		X (dampen material with water truck or excavator as possible, and/or use of mobile misters, or use of dry fogging system)			Minimize drop height		Water application entails either water addition to material via bucket loaders and/or use of mobile misters, or use of dry fogging system
Railcar Loading - Covered hopper railcars	Front end loader to hopper / belt conveyer		X (primary: mobile mister or dry fogging system)	X (secondary: portable dust collector)		Choke feed		Primary use of water spray systems; secondary use of portable dust collector
realizar Economy - 5000 Hopper railcars	Hopper / belt conveyor to railcar	• =	X (mobile mister)			Minimize drop height		Secondary use of water spray in the form of water truck or bucket loader to dampen material, as necessary

Notes:

- City of Chicago Bulk Materials Regulations define the term "transfer point" as the location at or within a facility where material being moved, carried, or conveyed is dropped or deposited.
 City of Chicago Bulk Materials Regulations require one of the four control options identified above in order to ensure compliance with the opacity set forth in 3.0(2)(b) (i.e., 10%), unless a variance is requested with a proposed alternative measure
 Materials handled at S.H. Bell Co.'s Chicago Terminal include, but may not be limited to, the following product groups:

a. ALUMINUM - BUNDLES	g. FERRO ALLOYS	m. OLIVINE	s. SILICON METAL
b. BAUXITE/MAGNESITE/BFA	h, HOT BRIQUETTED IRON		t. SPECIALTY ALLOYS
c. CARBON PRODUCTS	i.: IRON ORE	O REFRACTORY PRODUCTS	 u. SPECIALTY SCRAP
d. CERAMIC PRODUCTS	j. MAGNESIUM	p. SALT	v. ZINC
e. CORED WIRE	k. MINERAL SANDS/SILICA FUMES	q. SCRAP	
f. DIRECT REDUCED IRON	I. NICKEL	r. SEMI-FINISHED STEEL	

- 4. Materials within the product groups can be handled at any of the transfer points indicated in the table above
- 5. Only pig iron can be directly dampened / wetted, unless customer approval is obtained